Finnish Information Security Cluster

# Introduction to FISC: Solutions & EU Proposals

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# Key Security Figures in Finland

**Finnish Information Security Market**

| Size | 2013 | Growth |
|---|---|---|
| €250 MILLION | | ⬆ 8.7% /ANNUM |

FISC estimates that the revenues for information security products and services amount to about €250 million annually.

Growth is difficult to estimate, but FISC believes that the long run growth of the Finnish market is in line with the global average.

## Employment:

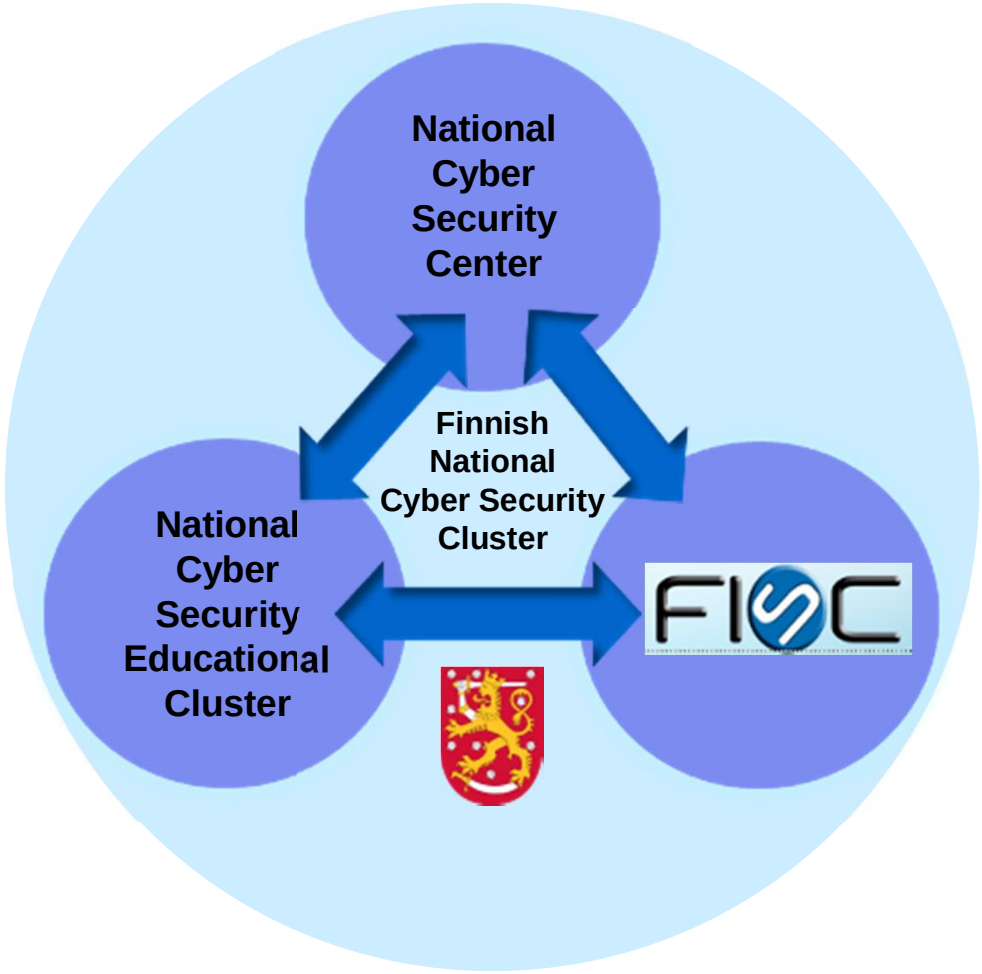
**1,500** information security professionals at FISC companies
**1,500** information security professionals at other companies
**2,000** part-time information security professionals

## Cybercrime:

**€1.0 BILLION**

FISC 'ballpark' estimate of the total annual cost of cybercrime in Finland. Calculated by dividing a $400 billion global cost relative to Finnish GDP.

# FISC within the Finnish context



# Finnish Information Security Cluster (FISC)

- Why FISC?
  - Single access point for interaction with large community of Finnish cyber security companies
  - Discover innovative Finnish technologies
  - Enhance collaboration to solve growing cyber threats

# Finnish Information Security Cluster (FISC)

- Founded in June, 2012
- 50 members
  - all relevant information security companies in Finland
- Focus on business growth, both domestic and international
- Hub for cyber PPP – Public Private Partnership
- Member of The Federation of Finnish Technology Industries
- Main operational areas:
  - Business Development (export, sales channels, business cooperation)
  - Resourcing (education, research, financing)
  - Regulation, cooperation and impact
  - Cyber defence
  - Security for Industrial Internet

# FISC companies help improve information security

Finnish companies and individuals are well known for their innovations and efforts to improve security. Connected with excellent competencies on mobile and open source technologies, this gives a unique standpoint for companies with Finnish operations.

Finland has a strong national brand of trust, reliability and efficiency.

FISC members are built on an excellent foundation for creating products and serving customers.

# FISC – Members

Jetico

# Your Operating System... Watch Out!

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Jetico

# Military-Standard Data Protection

- Trusted for over 10 years by U.S. DoD & all top 10 Defense Contractors
- Leading-edge software for ‘Cyber Hygiene’
  - Sophisticated Wiping with BCWipe
  - Painless Encryption with BestCrypt

“With BCWipe's Transparent Wiping running in the background, I will always be working in a totally clean environment.”
- Bruce Schneier, Security Expert

No Backdoors

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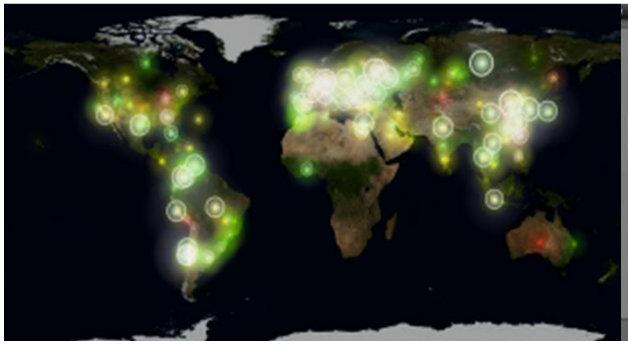
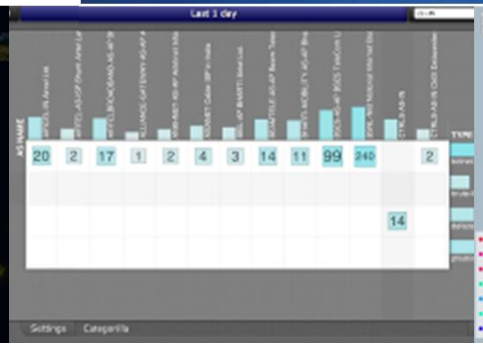
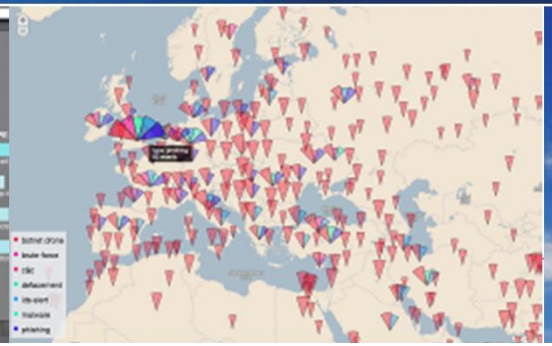
# Codenomicon

Creating and providing proactive cyber security solutions

- Most prominent Clarified Situation Awareness product line utilizer, CERT-FI
- Automatizing security testing for NCSA lab purposes with Defensics product line







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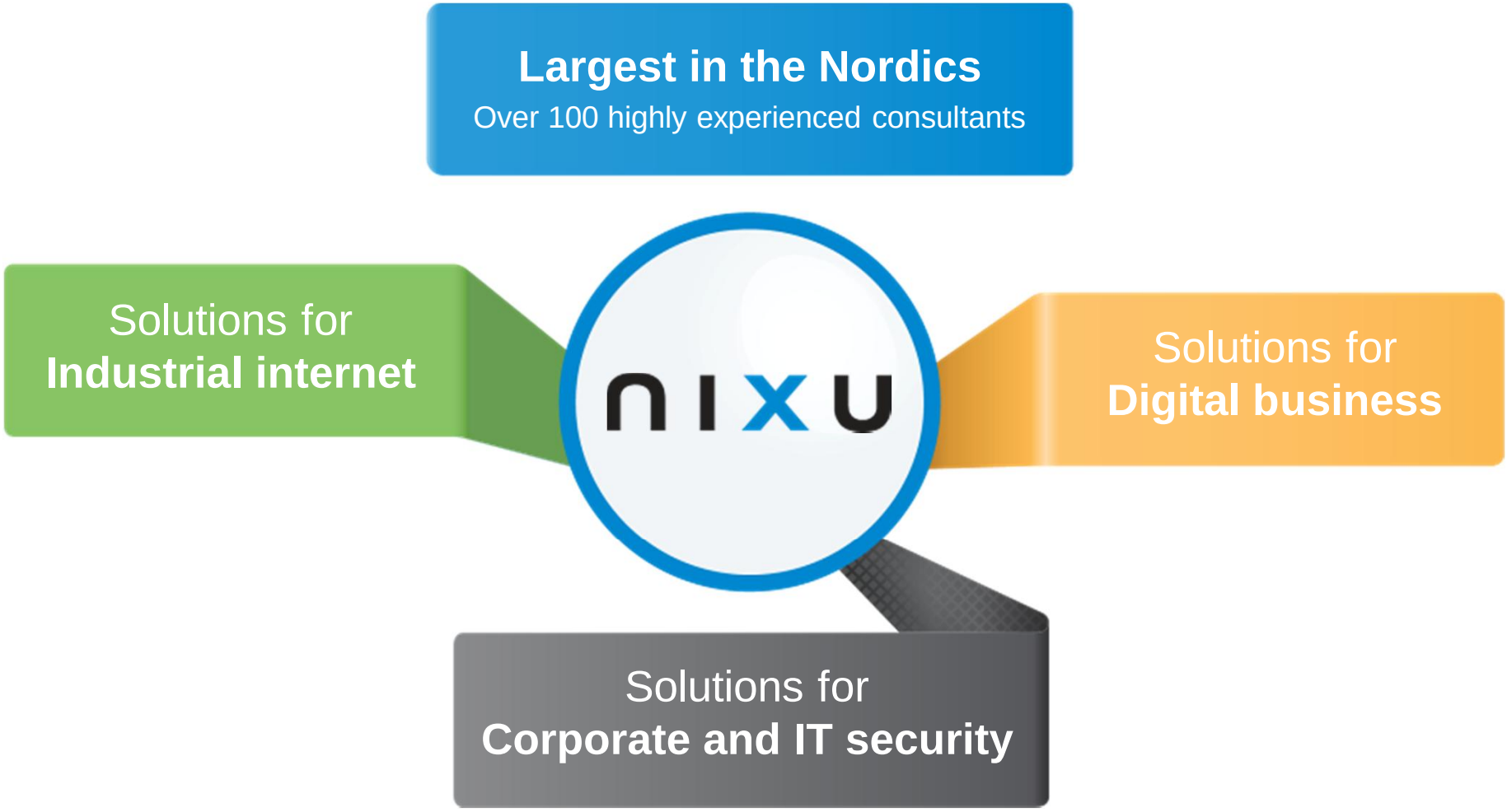
# Nixu Ltd

## **one-stop shop for high-end** security consulting




Advisory – Implementation – Assessment – Continuous Service – Resource Hire

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# EU Cybersecurity Strategy: Comments on Proposed Actions

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# Implementation of EU Cybersecurity Strategy: FISC Proposals for ENISA Consideration

**2.4** Develop industrial and technological resources for cybersecurity – Promoting a Single Market for cybersecurity products

*FISC input:*

*1. Creation of a European cybersecurity standard for critical infrastructures would be a concrete step towards this target. Compliance with the standard would later be made compulsory.*

*2. European information security technology and service companies should be better integrated into the planning and implementation of the strategy. Currently the private sector is represented through large organisations, like telecom operators, whose main interests lie elsewhere.*

# Implementation of EU Cybersecurity Strategy: FISC Proposals for ENISA Consideration

**2.4** Develop industrial and technological resources for cybersecurity – Promoting a Single Market for cybersecurity products

*FISC input:*

*3. An annual Europe-wide information security symposium/event should be created. Now major events (RSA, BlackHat) are in USA and linked US companies. ENISA could be the initiator, but with strong commercial sponsors lead primarily by European companies. Finland is an ideal host for this event.*

*4. Europe would need one or few Cyber Security 'Silicon Valleys' where academia, businesses, capital and talents get together and build up a hub with significant size. If nothing is done, we will lose all those elements to others who offer strong incentives backed by their governments (US, Israel, Singapore).*

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# Implementation of EU Cybersecurity Strategy: FISC Proposals for ENISA Consideration

**2.4** Develop industrial and technological resources for cybersecurity – Fostering R&D investments and innovation

*FISC input:*

*1. Industrial Internet and Internet of Things are crucial opportunities for the European industrial companies. We should not lose ground to US companies, like the case with "Plain Internet". Strong European "Security-by-Design approach" should be jointly created with large industry segments, like car industry.*

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## Thank You!

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## For more about FISC...

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